

In the Specification:

Please replace the paragraph beginning at page 1, line 2, with the following rewritten paragraph:

— — This is a continuation-in-part of co-pending U.S. patent application Serial No. 09/201,511 filed November 30, 1998, now abandoned, which claims the benefit of U.S. provisional patent application Serial No. 60/067,201 filed December 1, 1997, the disclosures of which are hereby incorporated herein by reference. — —

Please replace the paragraph beginning at page 15, line 21, with the following rewritten paragraph:

— — FIG. 2 illustrates another example of a reactor, generally designated 100 and having a counter-flow configuration, suitable for carrying out the transient SAC of the present invention. The counterflow reactor (CFR) 100 is defined by a vessel 102 and a tube 104 disposed coaxially within the vessel 102. Both of the vessel 102 and the tube 104 may be constructed of ceramic, quartz, or high temperature metal alloy. The tube 104 is positioned, preferably coaxially, in the vessel 102 to provide an annular space between the vessel 102 and the tube 104, each being filled with a material to provide a porous fixed-bed 14. A first end of the tube 104 is positioned in the vessel 102 to provide a zone 16 for the SAC. The vessel 102 is surrounded by insulating material 24 to reduce or prevent undesirable heat dissipation. Insulating material 24 is also located within vessel 102 at the base of the porous fixed bed 14 to block the through-flow of reactants and products as well as to reduce or prevent undesirable heat dissipation. A reactant mixture is introduced into CFR 100 through a second end of the tube 104, which is external to the reactor 100. The reactant mixture exits the first end of the tube 104 and enters the zone 16 which has been heated by heating means 18, such as an electric heater, or other energy source, to a temperature sufficient to initiate the SAC. — —

In the Drawings:

The applicants respectfully request that Figure 1 be amended to extend one of the pre-existing lead lines and to label that lead line with the element number "12" as set forth in the accompanying "Request for Approval of Drawing Changes."